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(71) Applicant (for all designated States except US): **NISSAN MOTOR CO., LTD.** [JP/JP]; 2, Takara-cho, Kanagawa-ku, Yokohama-shi, Kanagawa 221-0023 (JP).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KINOSHITA, Takuya** [JP/JP]; 7-18-7 Funakoshicho, Yokosuka-shi, Kanagawa 237-0062 (JP). **HORIE, Hideaki** [JP/JP];

7-12-2-C-303 Funakoshi, Yokosuka-shi, Kanagawa 237-0076 (JP). **ABE, Takaaki** [JP/JP]; 1-1-1-2402 Sugita, Isogo-ku, Yokohama-shi, Kanagawa 235-0033 (JP). **SHI-MAMURA, Osamu** [JP/JP]; 1-67-41-510 Higiriyama, Kohnan-ku, Yokohama-shi, Kanagawa 233-0015 (JP).

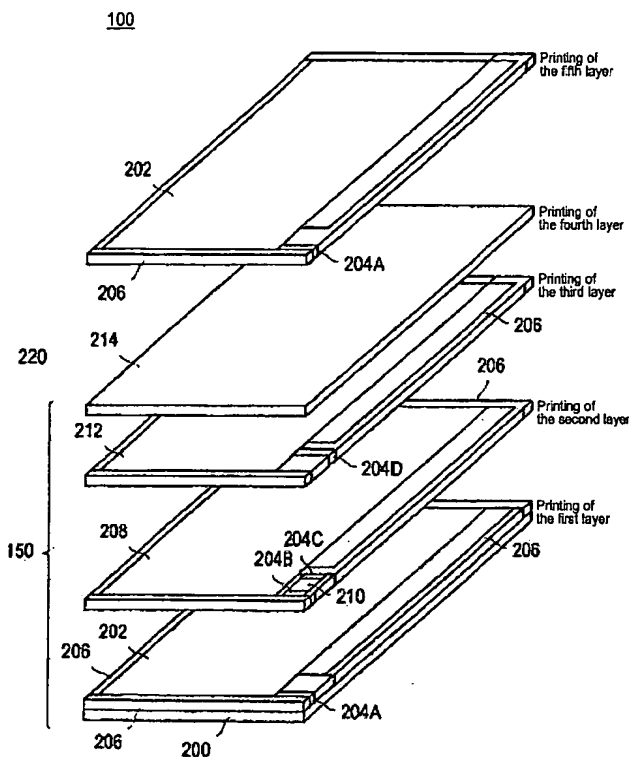
(74) Agent: **SIEFFERT, Kent, J.**; Shumaker & Sieffert, P.A., 8425 Seasons Parkway, Suite 105, St. Paul, MN 55125 (US).

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(54) Title: A BIPOLAR BATTERY CELL AND ASSEMBLED BATTERY FOR A VEHICLE



(57) Abstract: The invention relates to a bipolar battery cell having a built-in discharge circuit that can automatically balance the charged conditions. The bipolar battery cell includes a plurality of bipolar electrodes, each including a collector having a positive-electrode layer on one surface and a negative-electrode layer on another surface. The bipolar battery cell further includes a plurality of electrolyte layers that exchange ions between the bipolar electrodes, and a discharge circuit that electrically connects adjacent bipolar electrodes. The discharge circuit is provided on the same surface of at least one layer of the positive-electrode layers, the negative-electrode layers, or the electrolyte layers. Multiple bipolar battery cells are combined to form an assembled battery for vehicular applications.



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